

Notice of Allowability

Application No.

10/037,297

Examiner

Hussein A. El-chanti

Applicant(s)

WU ET AL.

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/20/2007.
2. ☒ The allowed claim(s) is/are 1-3,5-7,9-16 and 18-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. This action is responsive to response received on March 20, 2007.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Shawn Gorman on March 14, 2007.

3. The application has been amended as follows:

Claim 1 (currently amended) ~~A method of transmitting requests and content at a cache computer, wherein a first computer device and a second computer device are coupled to the cache computer and the first computer device requests content from the second computer device; the method comprising the steps of:~~

(a) receiving a request from a first computer device requesting content to be transmitted from a second computer device to the first device;

(b) receiving from the second computer device a prediction of non-requested content that the first computer device will request based on the content requested by the first device;

(a)-(c) receiving, at a cache computer, a first cache request from the second computer device to cache the non-requested content on the cache computer wherein

Art Unit: 2141

the first cache request includes an amount of memory requested to cache the non-requested content; and

(d) determining an amount of free space available on the cache computer
wherein:

(e) if the amount of free space available is more than the requested amount of memory to cache the non-requested, caching the non-requested content is cached at the cache computer, and

(f) if the amount of free space is less than the requested amount of memory to cache the non-requested content, transmitting a second cache request to the second computer device wherein the second cache request includes an amount of memory available to the second computer device.

~~(b) receiving at the cache computer non-requested content from the second computer device, wherein the non-requested content is content other than content requested by the first computer device.~~

Claim 4: canceled

Claim 5 (currently amended) The method of claim 41, wherein the cache request includes terms that have previously been agreed upon by the cache server and the second computer device.

Claim 6 (currently amended) The method of claim 41, wherein the cache request comprise a fee for use of the cache memory space.

Claim 7 (currently amended) The method of claim 6, wherein the fee is a fee that will be paid by the second computer device.

Claim 8: canceled

Claim 9 (currently amended) The method of claim 4~~1~~, wherein the non-requested content comprises objects of a web page.

Claim 10 (currently amended) The method of claim 1, further including:

(g[[e]]) receiving at the cache computer the identification of non-requested content.

Claim 12 (currently amended) The method of claim 10, in response to (g[[c]]) further including:

(g[[e]]) requesting the non-requested content from the second computer

Claim 13 (currently amended) A method of transmitting content from a first computer device to a second computer device, wherein the first computer device and the second computer device are coupled to a cache computer device, the method comprising the steps of:

(a) receiving a request for content from the a cache computer device at the first computer device;

(b) transmitting to the cache computer device the requested content;

(c) receiving from the second computer device a prediction of non-requested content that the first computer device will request based on the content requested by the first device;

(d[[c]]) transmitting to the cache computer device a cache request from the second computer device ~~for use of a cache memory;~~ to cache the non-requested content on the cache computer wherein the cache request includes terms comprising an amount of cache memory requested to cache the non-requested content; and

(e) determining an amount of free space available on the cache computer wherein:

(f[[d]]) after accepting terms for the use of the cache memory, transmitting to the cache computer device the non-requested content, wherein the non-requested is content other than content requested by the cache computer device; wherein if the terms are not accepted, the second computer device is configured to receive a denial in response to the request for the use of the cache memory and the second computer device receives an amount of memory available to the second computer device.

Claim 17: canceled

Claim 20 (currently amended) The method of claim 13, further including the steps of:

~~(e) receiving a denial in response to the request for the use of the cache memory;~~

~~(f) receiving proposed terms for use of the cache memory; and~~

(~~e~~[[g]]) transmitting to the first computer device an approval of the proposed terms for use of the cache memory.

Claim 21 (currently amended) The method of claim 13, wherein the cache request of (c) is located within a header of the requested content.

Claim 22 (currently amended) A computer-readable medium containing computer-executable instructions that when executed for causing a cache computer coupled to a first computer device and a second computer device to perform the steps comprising:

(a) allowing a request from a first computer device requesting content to be transmitted from a second computer device to the first computer device;

(b) receiving from the second computer device, a prediction of non-requested content that the first computer device will request based on the content requested by the first computer device;

(c) receiving at a cache computer, a first cache request from the second computer device to cache the non-requested content on the cache computer wherein the first cache request includes an amount of memory requested to cache the non-requested content;

(d) determining an amount of free space available on the cache computer;

(e) if the amount of free space available is more than the requested amount of memory to cache the non-requested content, caching the non-requested content at the cache computer, and

(f) if the amount of free space is less than the requested amount of memory to cache the non-requested content, transmitting a second cache request to the second computer device wherein the second cache request includes an amount of memory available to the second computer device.

~~receiving a cache request from the second computer device; and (b) receiving at the cache computer non-requested content from the second computer device, wherein the non-requested is content other than content requested by the first computer device.~~

4. Claims 1-3, 5-7, 9-16 and 18-23 are allowed.

5. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach neither singly or in combination the limitation "receiving at a cache computer, a first cache request from the second computer device to cache the non-requested content on the cache computer wherein the first cache request includes an amount of memory requested to cache the non-requested content, determining an amount of free space available on the cache computer; if the amount of free space available is more than the requested amount of memory to cache the non-requested content, caching the non-requested content at the cache computer, and if the amount of free space is less than the requested amount of

Art Unit: 2141

memory to cache the non-requested content, transmitting a second cache request to the second computer device wherein the second cache request includes an amount of memory available to the second computer device" as in claims 1-3, 5-7, 9-16 and 18-23.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hussein A. El-chanti whose telephone number is (571)272-3999. The examiner can normally be reached on Mon-Fri 8:30-5:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571)272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2141

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hussein El-chanti

March 19, 2007


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SUPERVISOR PATENT EXAMINER
TECHNOLOGY CENTER